

ABSTRACT

Pump (1), suitable for use as a vacuum pump or compressor, has at least one pump piston (2, 3) moving on a circular path, and a pump housing (18), wherein the pump piston (2, 3) is optionally coupled in a rigid manner to one or more further pump pistons (2, 3), moving in an oscillating manner about an axis of rotation (5) on a path of movement correspondingly having two reversal positions. A medium, optionally compressed or pressurized, is discharged via an outlet valve (8). In the course of movement from one reversal position into the other reversal position, an inlet valve (9) being opened; after which, in the course of a pressure buildup, the medium is discharged on a pressure side of the pump piston (2, 3) and taken in on a suction side of the pump piston (2, 3).